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| (21) 国際出願番号<br>PCT/JP00/01041<br><br>(22) 国際出願日<br>2000年2月23日(23.02.00)<br><br>(30) 優先権データ<br>特願平11/46961<br>1999年2月24日(24.02.99)<br>JP<br><br>(71) 出願人 (米国を除くすべての指定国について)<br>社団法人 北里研究所 (THE KITASATO INSTITUTE)[JP/JP]<br>〒108-8641 東京都港区白金5丁目9番1号 Tokyo, (JP)<br>(72) 発明者 ; および<br>(75) 発明者 / 出願人 (米国についてのみ)<br>大野 智(OMIURA, Satoshi)[JP/JP]<br>〒157-0076 東京都世田谷区岡本3-3-12 Tokyo, (JP)<br>池田治生(IKEDA, Haruo)[JP/JP]<br>〒210-0907 神奈川県川崎市幸区河原町1-13-627 Kanagawa, (JP)<br>(74) 代理人<br>平本祐輔, 外(HIRAKI, Yusuke et al.)<br>〒105-0001 東京都港区虎ノ門1丁目17番1号<br>虎ノ門5ビル3階 Tokyo, (JP)                                                                                                                                                           | (81) 指定国 AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, 欧州特許 (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI 特許 (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG), ARIPO 特許 (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), ユーラシア特許 (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM)<br><br>添付公開書類<br>国際調査報告書 |                                                                     |
| (54) Title: <u>AVERMECTIN AGLYCON SYNTHASE GENES</u><br><br>(54) 発明の名称 エバームェクチンアグリコン合成酵素遺伝子<br><br>(57) Abstract<br>An isolated DNA containing a DNA sequence encoding the avermectin aglycon synthase domain which is a multifunctional enzyme protein participating in the biosynthesis of polyketide compounds, or its variant having the avermectin aglycon synthase activity; in particular, a functional module and submodule in a sequence originating in <i>Streptomyces avermitilis</i> DNA; a polypeptide or its variant encoded by this DNA or its variant; a vector containing the DNA or its variant; a host cell transformed by the DNA, a modification thereof or the vector; and a process for producing avermectin. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                     |